

*undated
Dec 1966*

Memorandum for the Record

Subject: Polygraph Research and Development 1948-1956

1. Polygraph research for the years under consideration was sporadic in nature. The workload for these early years increased rapidly to the point of precluding the participation of all but a very few of those on board at the time in any form of research effort. Messrs [redacted] 25X1A9A and [redacted] 25X1A9A were involved in the development of a pilot model small, highly portable polygraph. Such a model was perfected and sent to the [redacted] 25X1A5A1 company. It is certain that the very professional and lightweight portable we now use as standard equipment dates back to this early effort. Directly related to this same effort was our presentation to TSD our ideas for a miniturized polygraph.

2. In the early fifties several members of the staff participated in experimentation in [redacted] 25X1C3C1 and its effect on the polygraph subject. Most of this effort was made by the employees concerned on their own time. Even though these experiments left much to be desired in the way of positive conclusions it is now felt that [redacted] 25X1C3C1 is not an effective method to use in attempting to beat the polygraph.

3. Our progress over the years in the area of test application in the form of improved testing techniques and question formulation has been good. For example, the change from the "PEQ" technique to the "Control Question" technique improved our polygraph product considerably. The separation of questions into phases increased our ability to produce tracings with less general and more specific indications of sensitivity. These innovations not only improved our product but also improved our "public image". ✓

25X1C3C1 4. Attempts were made to interest those in authority in the field of [redacted] 25X1C3C1 research as related to their effect on the polygraph results. No specific research effort was engaged in [redacted]

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